Securities Act 1997.

Section 115(2)(a). **Form 3.**

NOTICE OF SUBSTANTIAL SHAREHOLDING.

Note: To be given to the company, the stock exchange on which it is listed and the Securities Commission by a person who acquires a relevant interest in 5% or more of the voting shares of a listed company, within two days after the person becomes aware that they are a substantial shareholder. Use a separate form for each person that is a substantial shareholder.

1. Name of listed company. OIL SEARCH LIMITED

Note: Insert the name of the listed company in which the substantial shareholding is held.

2. Name of stock exchange. Port Moresby Stock Exchange

Note: Insert the name of the stock exchange on which the company is listed.

3. Details of person that is a substantial shareholder.

Given names (natural persons only)	Surname or corporate name and registration number, if applicable	Residential address or address of registered office	Postal address
N/A	BlackRock, Inc.	55 East 52nd Street New York, NY 10055 USA	55 East 52nd Street New York, NY 10055 USA

4. Date substantial shareholding arose. 19 August 2019

Note: Insert the date on which the person named in Item 3 became a substantial shareholder in the listed company in Item 1, not the date on which the person became aware of the substantial shareholding.

5. Voting shares in which a relevant interest is held.

Number of Shares	% of shares in company
79,160,121	5.190%

Note: Insert the number and percentage of voting shares in which the person has a relevant interest as at the date in Item 4. The terms "voting shares" and "relevant interest" are defined in Sections 112 - 114 of the Act.

6. Total number of voting shares issued by the listed company.

1,524,746,985

Note: Insert the total number of voting shares issued by the listed company used for the purpose of calculating the percentage in Item 5.

7. Particulars of relevant interests.

	Details for class of shares	Details for class of shares
Class of voting shares in which relevant interest held.	Ordinary	
Name(s) of registered holder(s).	Please see "Registered Holder of Securities" in Annexure	
Brief description of the nature of the relevant interest in the voting shares.	Interest held through controlled companies which are investment managers with investment discretion and control of voting rights in relation to the relevant voting shares.	
Brief description of the transaction under which the relevant interests arose e.g: purchase on stock exchange.	Purchase of shares on stock exchange increasing holding to 5%.	
Number of voting shares affected by the transaction.	85,420	
The consideration for the transaction (Kina).	1,244,547.39 PGK	
Name of the other party to the transaction (if known). *****	N/A	
The consideration if any, paid for each relevant interest acquired in the previous 4 months.	Please see Annexure	

******This information is not required where the transaction took place on a stock exchange.*

Note: Where there is insufficient space on the form to supply the information required, use additional forms or annexe a separate sheet in the same format containing the information.

8. Details of other person(s) giving a notice for the same transaction.

Given names (natural persons only)	Surname or corporate name and registration number, if applicable	Residential address or address of registered office	Postal address
Not applicable	BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands	Same as registered office
Not applicable	BlackRock (Singapore) Limited	20 Anson Road #18-01 079912 Singapore	Same as registered office
Not applicable	BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom	Same as registered office
Not applicable	BlackRock Advisors, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada	Same as registered office
Not applicable	BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong	Same as registered office
Not applicable	BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States	Same as registered office
Not applicable	BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)	Same as registered office

Not applicable	BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)	Same as registered office
Not applicable	BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)	Same as registered office
Not applicable	BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom	Same as registered office
Not applicable	BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)	Same as registered office
Not applicable	BlackRock Inc.	55 East 52nd Street New York NY 10055 USA	Same as registered office

Note: If known, insert the name and address of any other person(s) believed to have given, or to be intending to give, notice, whether a Form 3, 4 or 5, in relation to the transaction to which this notice relates. If not known, insert, "unknown".

9. Details of any associate who also has a relevant interest in the voting shares.

Given names (natural persons only)	Surname or corporate name and registration number, if applicable	Residential address or address of registered office	Postal address
Not applicable	BlackRock, Inc.	55 East 52nd Street, New York NY10055 USA	Same as registered office

Nature of Association:

The relevant interests are all held by investment managers which are indirect subsidiaries of BlackRock, Inc. and which have investment discretion over the voting shares and control the voting rights attaching to them.

Details of Relevant Interest of Associate:

Interest held through controlled companies which are investment managers with investment discretion and control of voting rights in relation to the relevant voting shares.

Note: Provide the name and address of each associate of the person submitting this notice who has a relevant interest in voting shares in the company, and the nature of the association with the associate and the details of the relevant interest of the associate.

10. Prescribed particulars of any agreement under which substantial shareholding acquired.

Date of any agreement	Material terms of any agreement (whether written or oral)
Not applicable	Not applicable

Note: Provide the details of the material terms of any agreement, whether written or oral, and the details of the material terms of any relevant agreement through which a relevant interest, the subject of the notice, was acquired or otherwise arose. True copies of the documents must be submitted with this form.

11. The following documents must be submitted with this form—

A. A true copy of any document setting out the material terms of any agreement that —

(a) contributed to the person having to submit this form;

(b) is in writing or in a document in which the material terms of an oral agreement have been reduced to writing in accordance with Section 40(5)(c) of the Regulation; and

(c) is readily available to the person submitting the notice; or

B. Where a document in Paragraph A is not readily available to the person submitting this form, a memorandum in writing detailing the material terms of the document.

The number of pages that accompany, or are annexed to, this notice is _____19_____.

12. Declaration.

I declare that to the best of my knowledge and belief the information in this form is true and correct.

Signature: __________

Full Name of Person Signing: Spencer Fleming

Role: Managing Director Date: _____21 August 2019_____

Note: Where this notice is given by a body corporate it must be signed by a director or secretary who is authorised by the board of the body corporate to give the notice. Initials are not sufficient for the full name of the person signing this form.

Annexure A

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	70,975	70,975	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		ORD	19,127	19,127	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ORD	185,378	185,378	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SINGAPORE		ORD	17,762	17,762	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD	1,660,502	1,660,502	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - LONDON		ORD	1,155,300	1,155,300	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	336,695	336,695	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET DUBLIN		ORD	3,876,140	3,876,140	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD	27,555	27,555	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	713,424	713,424	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	68,034	68,034	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD	1,515,765	1,515,765	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	4,963	4,963	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	717,115	717,115	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD	5,728	5,728	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	69,423	69,423	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD	178,252	178,252	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, HONG KONG		ORD	4,861	4,861	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC, HONG KONG		ORD	24,271	24,271	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ORD	1,654	1,654	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD	31,855	31,855	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	147,358	147,358	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	165,421	165,421	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD	103,839	103,839	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	204,221	204,221	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD	135,602	135,602	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ORD	11,681	11,681	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	241,740	241,740	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD	55,471	55,471	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD	17,998,626	17,998,626	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	1,098,144	1,098,144	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD	12,741	12,741	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE - NEW YORK		ORD	7,123	7,123	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	18,266,516	18,266,516	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	MS-MORGAN STANLEY & CO INC		ORD	4,054	4,054	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD	192,944	192,944	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-ROYAL TRUST - TORONTO		ORD	13,252	13,252	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB BOSTON INSTITUTIONAL		ORD	27,856	27,856	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	1,023,684	1,023,684	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD	115,874	115,874	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	23,437	23,437	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD	4,096	4,096	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	UBS- UBS- ZURICH		ORD	1,987	1,987	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	31,414	31,414	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	529,337	529,337	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC SYDNEY		ORD	1,675,026	1,675,026	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - SYDNEY		ORD	29,863	29,863	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD	4,133,401	4,133,401	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ORD	1,195,732	1,195,732	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	UBS- UBS- ZURICH		ORD	198,348	198,348	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	AP7		ORD	778,436	778,436	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNP PARIBAS LON		ORD	39,634	39,634	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNP PARIBAS LUX		ORD	8,902	8,902	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		ORD	668,460	668,460	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD	664,455	664,455	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ORD	2,631,623	2,631,623	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD	22,350	22,350	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, LONDON		ORD	2,126,568	2,126,568	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC - LONDON		ORD	1,138,076	1,138,076	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	51,060	51,060	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - LONDON		ORD	24,176	24,176	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		ORD	369,905	369,905	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD	88,973	88,973	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	2,456,352	2,456,352	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SEB-SKANDINAVISKA ENSKILDA BANKEN		ORD	71,487	71,487	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD	64,655	64,655	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ORD	295,594	295,594	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, GERMANY		ORD	90,716	90,716	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ORD	677,949	677,949	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD	49,212	49,212	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	807,560	807,560	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH SMA		ADR 10:1	60	600	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	834,259	834,259	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ORD	6,867	6,867	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD	5,090	5,090	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	UNION BANK		ORD	2,226	2,226	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD	29,052	29,052	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	953,712	953,712	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	MITSUI-SUMITOMO TRUST		ORD	32,125	32,125	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-State Street Bank And Trust Co.		ORD	1,839,123	1,839,123	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	23,434	23,434	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD	690,332	690,332	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	SSB-STATE STREET AUSTRALIA		ORD	491,111	491,111	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	JPM-JPM CHASE - SYDNEY		ORD	2,792,480	2,792,480	subsidiary of BlackRock Inc.

Annexure B

This is Annexure B of 9 pages

OIL SEARCH LTD (OSH)

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected		Person's votes affected
			Cash	Non-cash			
BlackRock Investment Management (Australia) Limited	23-Apr-19	no	n/a	in specie	ORD	322,901	322,901
BlackRock Institutional Trust Company, National Association	23-Apr-19	yes	19.32	on mkt buy	ORD	6,687	6,687
BlackRock Fund Advisors	23-Apr-19	yes	19.32	on mkt buy	ORD	11,355	11,355
BlackRock Fund Advisors	23-Apr-19	no	n/a	in specie	ORD	7,060	7,060
BlackRock Investment Management (Australia) Limited	24-Apr-19	no	n/a	in specie	ORD	81,242	81,242
BlackRock Investment Management (UK) Limited	24-Apr-19	yes	19.29	on mkt buy	ORD	31,693	31,693
BlackRock Investment Management (Australia) Limited	24-Apr-19	yes	19.07	on mkt buy	ORD	12,168	12,168
BlackRock Advisors (UK) Limited	24-Apr-19	yes	19.07	on mkt buy	ORD	1,524	1,524
BlackRock Advisors (UK) Limited	24-Apr-19	yes	19.07	on mkt buy	ORD	1,270	1,270
BlackRock Advisors (UK) Limited	24-Apr-19	yes	19.07	on mkt buy	ORD	1,270	1,270
BlackRock Institutional Trust Company, National Association	24-Apr-19	yes	19.07	on mkt buy	ORD	12,814	12,814
BlackRock Investment Management (Australia) Limited	24-Apr-19	yes	19.07	on mkt buy	ORD	11,349	11,349
BlackRock Fund Advisors	24-Apr-19	no	n/a	in specie	ORD	4,589	4,589
BlackRock Fund Advisors	24-Apr-19	no	n/a	in specie	ORD	43,596	43,596
BlackRock Investment Management (UK) Limited	24-Apr-19	no	n/a	collateral transfer	ORD	144,537	144,537
BlackRock Advisors (UK) Limited	26-Apr-19	yes	18.80	on mkt buy	ORD	9,003	9,003
BlackRock Advisors (UK) Limited	26-Apr-19	yes	18.80	on mkt buy	ORD	1,792	1,792
BlackRock Advisors (UK) Limited	26-Apr-19	yes	18.80	on mkt buy	ORD	2,304	2,304
BlackRock Asset Management Canada Limited	26-Apr-19	yes	18.80	on mkt buy	ORD	4,075	4,075
BlackRock Fund Advisors	26-Apr-19	no	n/a	in specie	ORD	33,216	33,216
BlackRock Advisors (UK) Limited	26-Apr-19	no	n/a	collateral transfer	ORD	158,344	158,344
BlackRock Investment Management (UK) Limited	29-Apr-19	no	n/a	collateral transfer	ORD	972,761	972,761
BlackRock Investment Management (Australia) Limited	30-Apr-19	yes	18.10	on mkt buy	ORD	6,084	6,084
BlackRock Advisors (UK) Limited	30-Apr-19	yes	18.10	on mkt buy	ORD	4,028	4,028
BlackRock Advisors (UK) Limited	30-Apr-19	yes	18.10	on mkt buy	ORD	9,003	9,003
BlackRock Fund Advisors	30-Apr-19	no	n/a	in specie	ORD	6,208	6,208
BlackRock Institutional Trust Company, National Association	30-Apr-19	no	n/a	in specie	ORD	10,655	10,655
BlackRock Advisors (UK) Limited	30-Apr-19	no	n/a	collateral transfer	ORD	855,160	855,160
BlackRock Advisors, LLC	01-May-19	yes	18.18	on mkt buy	ORD	2,150	2,150
BlackRock Advisors (UK) Limited	01-May-19	yes	18.13	on mkt buy	ORD	1,536	1,536
BlackRock Investment Management (Australia) Limited	01-May-19	yes	18.13	on mkt buy	ORD	17,634	17,634
BlackRock Fund Advisors	01-May-19	no	n/a	in specie	ORD	68,288	68,288
BlackRock Japan Co., Ltd.	01-May-19	no	n/a	collateral transfer	ORD	202,748	202,748
BlackRock Investment Management (UK) Limited	01-May-19	no	n/a	collateral transfer	ORD	116	116
BlackRock Advisors (UK) Limited	02-May-19	yes	17.83	on mkt buy	ORD	67,042	67,042
BlackRock Investment Management (UK) Limited	02-May-19	no	n/a	collateral transfer	ORD	141,333	141,333
BlackRock Asset Management North Asia Limited	03-May-19	yes	17.60	on mkt buy	ORD	19,709	19,709
BlackRock Advisors (UK) Limited	03-May-19	no	n/a	collateral transfer	ORD	141,080	141,080
BlackRock Advisors (UK) Limited	06-May-19	no	n/a	collateral transfer	ORD	279,110	279,110
BlackRock Institutional Trust Company, National Association	07-May-19	yes	17.19	on mkt buy	ORD	68,904	68,904
BlackRock Fund Advisors	07-May-19	no	n/a	in specie	ORD	7,336	7,336

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected		Person's votes affected
			Cash	Non-cash			
BlackRock Fund Advisors	07-May-19	no	n/a	in specie	ORD	12,576	12,576
BlackRock Advisors, LLC	08-May-19	yes	16.95	on mkt buy	ORD	4,050	4,050
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-May-19	yes	16.95	on mkt buy	ORD	1,300	1,300
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-May-19	yes	17.13	on mkt buy	ORD	7,569	7,569
BlackRock Advisors (UK) Limited	08-May-19	yes	17.18	on mkt buy	ORD	189	189
BlackRock Advisors (UK) Limited	08-May-19	yes	17.18	on mkt buy	ORD	9,042	9,042
BlackRock Advisors (UK) Limited	08-May-19	yes	17.18	on mkt buy	ORD	1,792	1,792
BlackRock Advisors (UK) Limited	08-May-19	yes	17.18	on mkt buy	ORD	1,316	1,316
BlackRock Fund Advisors	08-May-19	no	n/a	in specie	ORD	9,423	9,423
BlackRock Fund Advisors	08-May-19	no	n/a	in specie	ORD	18,624	18,624
BlackRock Investment Management (Australia) Limited	09-May-19	yes	17.41	on mkt buy	ORD	6,038	6,038
BlackRock Fund Advisors	09-May-19	no	n/a	in specie	ORD	24,832	24,832
BlackRock Japan Co., Ltd.	09-May-19	no	n/a	collateral transfer	ORD	497,242	497,242
BlackRock Fund Advisors	10-May-19	no	n/a	in specie	ORD	43,456	43,456
BlackRock Fund Advisors	10-May-19	no	n/a	in specie	ORD	18,624	18,624
BlackRock Fund Advisors	10-May-19	no	n/a	in specie	ORD	3,837	3,837
BlackRock Institutional Trust Company, National Association	13-May-19	yes	17.20	on mkt buy	ORD	1,829	1,829
BLACKROCK FINANCIAL MANAGEMENT, INC.	13-May-19	yes	17.21	on mkt buy	ORD	997	997
BlackRock Advisors (UK) Limited	13-May-19	yes	17.26	on mkt buy	ORD	18,055	18,055
BlackRock Fund Advisors	13-May-19	no	n/a	in specie	ORD	12,576	12,576
BlackRock Asset Management Canada Limited	13-May-19	yes	17.11	on mkt buy	ORD	1,051	1,051
BlackRock Japan Co., Ltd.	13-May-19	no	n/a	collateral transfer	ORD	2,904	2,904
BlackRock Institutional Trust Company, National Association	14-May-19	yes	16.93	on mkt buy	ORD	891	891
BlackRock Japan Co., Ltd.	14-May-19	yes	16.93	on mkt buy	ORD	1,912	1,912
BlackRock Japan Co., Ltd.	14-May-19	yes	16.93	on mkt buy	ORD	2,023	2,023
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-May-19	yes	16.93	on mkt buy	ORD	23,059	23,059
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-May-19	yes	16.93	on mkt buy	ORD	8,594	8,594
BlackRock Institutional Trust Company, National Association	14-May-19	yes	16.93	on mkt buy	ORD	3,727	3,727
BlackRock Institutional Trust Company, National Association	14-May-19	yes	16.93	on mkt buy	ORD	20,997	20,997
BlackRock Advisors (UK) Limited	14-May-19	yes	16.93	on mkt buy	ORD	4,572	4,572
BlackRock Advisors (UK) Limited	14-May-19	yes	16.93	on mkt buy	ORD	3,577	3,577
BlackRock Fund Advisors	14-May-19	no	n/a	in specie	ORD	3,883	3,883
BlackRock Fund Advisors	14-May-19	no	n/a	in specie	ORD	6,133	6,133
BlackRock Fund Advisors	14-May-19	no	n/a	in specie	ORD	18,624	18,624
BlackRock Institutional Trust Company, National Association	15-May-19	yes	17.15	on mkt buy	ORD	488	488
BlackRock Fund Advisors	15-May-19	no	n/a	in specie	ORD	15,705	15,705
BlackRock Advisors (UK) Limited	15-May-19	no	n/a	collateral transfer	ORD	222,285	222,285
BlackRock Institutional Trust Company, National Association	16-May-19	yes	17.32	on mkt buy	ORD	1,931	1,931
BlackRock Advisors (UK) Limited	16-May-19	yes	17.40	on mkt buy	ORD	6,040	6,040
BlackRock Advisors (UK) Limited	16-May-19	no	n/a	collateral transfer	ORD	737,694	737,694
BlackRock Advisors (UK) Limited	17-May-19	no	n/a	collateral transfer	ORD	1,427,477	1,427,477
BlackRock Advisors (UK) Limited	20-May-19	yes	17.55	on mkt buy	ORD	564	564
BlackRock (Netherlands) B.V.	20-May-19	no	n/a	in specie	ORD	185,378	185,378
BlackRock Advisors (UK) Limited	21-May-19	yes	17.44	on mkt buy	ORD	3,033	3,033
BlackRock Advisors (UK) Limited	21-May-19	yes	17.44	on mkt buy	ORD	4,028	4,028
BlackRock Advisors (UK) Limited	21-May-19	no	n/a	collateral transfer	ORD	1,308,755	1,308,755
BlackRock Advisors (UK) Limited	22-May-19	yes	17.51	on mkt buy	ORD	9,081	9,081
BlackRock Investment Management (UK) Limited	22-May-19	yes	17.51	on mkt buy	ORD	91,692	91,692
BlackRock Fund Advisors	22-May-19	no	n/a	in specie	ORD	15,795	15,795
BlackRock Fund Advisors	22-May-19	no	n/a	in specie	ORD	31,590	31,590
BlackRock Institutional Trust Company, National Association	22-May-19	no	n/a	in specie	ORD	40,379	40,379
BlackRock Institutional Trust Company, National Association	22-May-19	no	n/a	in specie	ORD	8,923	8,923
BlackRock Advisors (UK) Limited	22-May-19	no	n/a	collateral transfer	ORD	213,239	213,239

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected		Person's votes affected
			Cash	Non-cash			
BLACKROCK FINANCIAL MANAGEMENT, INC.	22-May-19	no	n/a	collateral transfer	ORD	14,159	14,159
BlackRock Investment Management, LLC	22-May-19	no	n/a	collateral transfer	ORD	94,871	94,871
BlackRock Investment Management (UK) Limited	22-May-19	no	n/a	collateral transfer	ORD	42,546	42,546
BlackRock Institutional Trust Company, National Association	23-May-19	yes	17.23	on mkt buy	ORD	3,557	3,557
BlackRock Advisors (UK) Limited	23-May-19	yes	17.23	on mkt buy	ORD	6,113	6,113
BlackRock Advisors (UK) Limited	23-May-19	yes	17.23	on mkt buy	ORD	4,886	4,886
BlackRock Advisors (UK) Limited	23-May-19	yes	17.22	on mkt buy	ORD	4,028	4,028
BlackRock Japan Co., Ltd.	23-May-19	no	n/a	collateral transfer	ORD	222,281	222,281
BlackRock Institutional Trust Company, National Association	24-May-19	yes	16.80	on mkt buy	ORD	32,508	32,508
BlackRock Investment Management (UK) Limited	24-May-19	no	n/a	collateral transfer	ORD	222,281	222,281
BlackRock Advisors (UK) Limited	27-May-19	no	n/a	collateral transfer	ORD	1,289,068	1,289,068
BlackRock Institutional Trust Company, National Association	28-May-19	yes	16.49	on mkt buy	ORD	1,411	1,411
BlackRock International Limited	28-May-19	yes	16.49	on mkt buy	ORD	5,861	5,861
BlackRock Fund Advisors	28-May-19	yes	16.49	on mkt buy	ORD	13,188	13,188
BlackRock Advisors (UK) Limited	28-May-19	yes	16.49	on mkt buy	ORD	2,326	2,326
BlackRock Advisors (UK) Limited	28-May-19	yes	16.49	on mkt buy	ORD	1,480	1,480
BlackRock Investment Management (Australia) Limited	28-May-19	yes	16.49	on mkt buy	ORD	663	663
BlackRock Institutional Trust Company, National Association	28-May-19	yes	16.49	on mkt buy	ORD	19,429	19,429
BlackRock Institutional Trust Company, National Association	28-May-19	yes	16.49	on mkt buy	ORD	4,234	4,234
BlackRock International Limited	28-May-19	yes	16.49	on mkt buy	ORD	17,582	17,582
BlackRock Fund Advisors	28-May-19	yes	16.49	on mkt buy	ORD	39,563	39,563
BlackRock Advisors (UK) Limited	28-May-19	yes	16.49	on mkt buy	ORD	6,978	6,978
BlackRock Advisors (UK) Limited	28-May-19	yes	16.49	on mkt buy	ORD	4,441	4,441
BlackRock Investment Management (Australia) Limited	28-May-19	yes	16.49	on mkt buy	ORD	1,990	1,990
BlackRock Institutional Trust Company, National Association	28-May-19	yes	16.49	on mkt buy	ORD	58,286	58,286
BlackRock Fund Advisors	29-May-19	yes	16.14	on mkt buy	ORD	11,671	11,671
BlackRock Investment Management (Australia) Limited	29-May-19	yes	16.24	on mkt buy	ORD	24,451	24,451
BlackRock Investment Management (Australia) Limited	29-May-19	yes	16.32	on mkt buy	ORD	1,424	1,424
BlackRock Advisors (UK) Limited	29-May-19	yes	16.32	on mkt buy	ORD	2,955	2,955
BlackRock Fund Advisors	29-May-19	yes	16.32	on mkt buy	ORD	15,288	15,288
BlackRock Advisors (UK) Limited	29-May-19	no	n/a	collateral transfer	ORD	158,000	158,000
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-May-19	yes	16.27	on mkt buy	ORD	18,105	18,105
BlackRock Advisors (UK) Limited	30-May-19	no	n/a	collateral transfer	ORD	1,535,196	1,535,196
BlackRock Investment Management (UK) Limited	30-May-19	no	n/a	collateral transfer	ORD	2	2
BlackRock Institutional Trust Company, National Association	31-May-19	yes	16.01	on mkt buy	ORD	5,130	5,130
BlackRock International Limited	31-May-19	yes	16.01	on mkt buy	ORD	9,728	9,728
BlackRock Advisors (UK) Limited	31-May-19	yes	16.09	on mkt buy	ORD	97	97
BlackRock Advisors (UK) Limited	31-May-19	yes	16.09	on mkt buy	ORD	25,379	25,379
BlackRock Japan Co., Ltd.	31-May-19	no	n/a	collateral transfer	ORD	220,856	220,856
BlackRock Advisors, LLC	03-Jun-19	yes	15.81	on mkt buy	ORD	14,700	14,700
BlackRock Advisors (UK) Limited	03-Jun-19	no	n/a	collateral transfer	ORD	1,580,350	1,580,350
BlackRock Advisors (UK) Limited	04-Jun-19	yes	15.82	on mkt buy	ORD	3,879	3,879
BlackRock Japan Co., Ltd.	04-Jun-19	yes	15.91	on mkt buy	ORD	7,856	7,856
BlackRock Advisors (UK) Limited	04-Jun-19	yes	15.77	on mkt buy	ORD	2,530	2,530
BlackRock Institutional Trust Company, National Association	04-Jun-19	yes	15.77	on mkt buy	ORD	30,258	30,258
BlackRock (Netherlands) B.V.	04-Jun-19	yes	15.77	on mkt buy	ORD	876	876
BlackRock Fund Advisors	04-Jun-19	yes	15.77	on mkt buy	ORD	28,260	28,260
BlackRock Advisors (UK) Limited	04-Jun-19	no	n/a	collateral transfer	ORD	5,483	5,483
BlackRock Institutional Trust Company, National Association	05-Jun-19	no	n/a	in specie	ORD	7,670	7,670

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected		Person's votes affected
			Cash	Non-cash			
BlackRock Asset Management Canada Limited	05-Jun-19	yes	16.10	on mkt buy	ORD	1,854	1,854
BlackRock Japan Co., Ltd.	05-Jun-19	yes	15.94	on mkt buy	ORD	6,722	6,722
BlackRock Japan Co., Ltd.	05-Jun-19	yes	15.94	on mkt buy	ORD	7,586	7,586
BlackRock Investment Management (Australia) Limited	05-Jun-19	yes	15.87	on mkt buy	ORD	2,136	2,136
BlackRock Fund Advisors	05-Jun-19	no	n/a	in specie	ORD	24,311	24,311
BlackRock Japan Co., Ltd.	05-Jun-19	no	n/a	collateral transfer	ORD	1,034,491	1,034,491
BlackRock Investment Management (UK) Limited	05-Jun-19	no	n/a	collateral transfer	ORD	1	1
BlackRock Institutional Trust Company, National Association	06-Jun-19	yes	15.79	on mkt buy	ORD	3,799	3,799
BlackRock Advisors (UK) Limited	06-Jun-19	yes	15.79	on mkt buy	ORD	3,360	3,360
BlackRock Investment Management (Australia) Limited	06-Jun-19	yes	15.77	on mkt buy	ORD	1,424	1,424
BlackRock Advisors (UK) Limited	06-Jun-19	yes	15.77	on mkt buy	ORD	2,968	2,968
BlackRock Advisors (UK) Limited	06-Jun-19	yes	15.77	on mkt buy	ORD	8,904	8,904
BlackRock Japan Co., Ltd.	06-Jun-19	no	n/a	collateral transfer	ORD	397,121	397,121
BlackRock Investment Management (UK) Limited	07-Jun-19	yes	15.96	on mkt buy	ORD	9,128	9,128
BlackRock Advisors (UK) Limited	07-Jun-19	yes	15.96	on mkt buy	ORD	44,736	44,736
BlackRock Advisors (UK) Limited	07-Jun-19	yes	15.96	on mkt buy	ORD	6,617	6,617
BlackRock Fund Advisors	07-Jun-19	yes	15.96	on mkt buy	ORD	22,526	22,526
BlackRock Advisors (UK) Limited	07-Jun-19	no	n/a	collateral transfer	ORD	1,564,956	1,564,956
BlackRock Japan Co., Ltd.	10-Jun-19	no	n/a	collateral transfer	ORD	323,932	323,932
BlackRock Advisors (UK) Limited	11-Jun-19	yes	16.23	on mkt buy	ORD	2,048	2,048
BlackRock Advisors (UK) Limited	11-Jun-19	yes	16.23	on mkt buy	ORD	2,048	2,048
BlackRock Investment Management (UK) Limited	11-Jun-19	no	n/a	collateral transfer	ORD	1,525,341	1,525,341
BlackRock Investment Management (UK) Limited	12-Jun-19	yes	16.31	on mkt buy	ORD	91,269	91,269
BlackRock Advisors, LLC	12-Jun-19	yes	16.26	on mkt buy	ORD	11,833	11,833
BlackRock Advisors (UK) Limited	12-Jun-19	yes	16.20	on mkt buy	ORD	3,079	3,079
BlackRock Advisors (UK) Limited	12-Jun-19	yes	16.20	on mkt buy	ORD	512	512
BlackRock Advisors (UK) Limited	12-Jun-19	yes	16.20	on mkt buy	ORD	33,878	33,878
BlackRock Japan Co., Ltd.	12-Jun-19	no	n/a	collateral transfer	ORD	50	50
BlackRock Advisors (UK) Limited	12-Jun-19	no	n/a	collateral transfer	ORD	1,514,669	1,514,669
BlackRock Investment Management, LLC	12-Jun-19	no	n/a	collateral transfer	ORD	25	25
BlackRock Asset Management North Asia Limited	12-Jun-19	no	n/a	collateral transfer	ORD	9	9
BlackRock Institutional Trust Company, National Association	13-Jun-19	yes	15.82	on mkt buy	ORD	835	835
BlackRock Advisors (UK) Limited	13-Jun-19	yes	15.82	on mkt buy	ORD	4,977	4,977
BlackRock Institutional Trust Company, National Association	13-Jun-19	no	n/a	in specie	ORD	30,097	30,097
BlackRock Institutional Trust Company, National Association	13-Jun-19	yes	15.73	on mkt buy	ORD	36,454	36,454
BlackRock Institutional Trust Company, National Association	13-Jun-19	yes	15.73	on mkt buy	ORD	17,192	17,192
BlackRock Japan Co., Ltd.	13-Jun-19	no	n/a	collateral transfer	ORD	302,605	302,605
BlackRock Investment Management (UK) Limited	14-Jun-19	yes	15.98	on mkt buy	ORD	9,591	9,591
BlackRock Investment Management (Australia) Limited	14-Jun-19	yes	15.90	on mkt buy	ORD	1,424	1,424
BlackRock Advisors (UK) Limited	14-Jun-19	yes	15.90	on mkt buy	ORD	4,042	4,042
BlackRock Advisors (UK) Limited	14-Jun-19	no	n/a	collateral transfer	ORD	4,427	4,427
BlackRock Investment Management (UK) Limited	14-Jun-19	no	n/a	collateral transfer	ORD	232,713	232,713
BlackRock Investment Management (UK) Limited	17-Jun-19	yes	15.82	on mkt buy	ORD	84,100	84,100
BlackRock Fund Advisors	17-Jun-19	yes	15.91	on mkt buy	ORD	6,487	6,487
BlackRock Advisors (UK) Limited	17-Jun-19	yes	15.77	on mkt buy	ORD	335	335
BlackRock Japan Co., Ltd.	17-Jun-19	no	n/a	collateral transfer	ORD	412	412
BlackRock Advisors (UK) Limited	17-Jun-19	no	n/a	collateral transfer	ORD	1,543,234	1,543,234

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected		Person's votes affected
			Cash	Non-cash			
BlackRock Investment Management, LLC	17-Jun-19	no	n/a	collateral transfer	ORD	1	1
BlackRock Investment Management (UK) Limited	17-Jun-19	no	n/a	collateral transfer	ORD	14	14
BlackRock Japan Co., Ltd.	18-Jun-19	no	n/a	collateral transfer	ORD	27,548	27,548
BlackRock Investment Management (Australia) Limited	19-Jun-19	yes	16.28	on mkt buy	ORD	10,647	10,647
BlackRock Advisors (UK) Limited	19-Jun-19	yes	16.28	on mkt buy	ORD	186	186
BlackRock Advisors (UK) Limited	19-Jun-19	no	n/a	collateral transfer	ORD	56,736	56,736
BlackRock Investment Management (UK) Limited	20-Jun-19	yes	16.45	on mkt buy	ORD	8,350	8,350
BlackRock Advisors (UK) Limited	20-Jun-19	yes	16.43	on mkt buy	ORD	2,190	2,190
BlackRock Fund Advisors	20-Jun-19	no	n/a	in specie	ORD	95,025	95,025
BlackRock Investment Management (Australia) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	13,835	13,835
BlackRock Advisors (UK) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	1,760	1,760
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Jun-19	yes	16.57	on mkt buy	ORD	1,852	1,852
BlackRock Investment Management (UK) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	159,565	159,565
BlackRock Investment Management (Australia) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	4,161	4,161
BlackRock Investment Management (Australia) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	2,812	2,812
BlackRock Asset Management Canada Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	7,817	7,817
BlackRock Institutional Trust Company, National Association	21-Jun-19	yes	16.57	on mkt buy	ORD	1,437	1,437
BlackRock Investment Management (Australia) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	3,128	3,128
BlackRock Fund Advisors	21-Jun-19	yes	16.57	on mkt buy	ORD	1,495	1,495
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Jun-19	yes	16.57	on mkt buy	ORD	375	375
BlackRock Investment Management (UK) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	32,446	32,446
BlackRock Investment Management (Australia) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	845	845
BlackRock Investment Management (Australia) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	8,441	8,441
BlackRock Asset Management Canada Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	23,446	23,446
BlackRock Institutional Trust Company, National Association	21-Jun-19	yes	16.57	on mkt buy	ORD	4,314	4,314
BlackRock Investment Management (Australia) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	9,376	9,376
BlackRock Fund Advisors	21-Jun-19	yes	16.57	on mkt buy	ORD	4,493	4,493
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Jun-19	yes	16.57	on mkt buy	ORD	1,131	1,131
BlackRock Investment Management (UK) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	97,334	97,334
BlackRock Investment Management (Australia) Limited	21-Jun-19	yes	16.57	on mkt buy	ORD	2,539	2,539
BlackRock Fund Advisors	21-Jun-19	no	n/a	in specie	ORD	11,552	11,552
BlackRock Fund Advisors	21-Jun-19	no	n/a	in specie	ORD	98,784	98,784
BlackRock Advisors (UK) Limited	21-Jun-19	no	n/a	collateral transfer	ORD	1,541,036	1,541,036
BlackRock Investment Management (UK) Limited	24-Jun-19	yes	16.58	on mkt buy	ORD	28,940	28,940
BlackRock Advisors (UK) Limited	24-Jun-19	yes	16.54	on mkt buy	ORD	2,634	2,634
BlackRock Fund Advisors	24-Jun-19	no	n/a	in specie	ORD	7,581	7,581
BlackRock Asset Management Canada Limited	24-Jun-19	yes	16.54	on mkt buy	ORD	19,812	19,812
BlackRock Investment Management, LLC	24-Jun-19	no	n/a	collateral transfer	ORD	1	1
BlackRock Investment Management (UK) Limited	24-Jun-19	no	n/a	collateral transfer	ORD	5,035	5,035
BlackRock Investment Management (Australia) Limited	25-Jun-19	yes	16.41	on mkt buy	ORD	3,530	3,530
BlackRock Advisors, LLC	25-Jun-19	yes	16.58	on mkt buy	ORD	3,240	3,240
BlackRock Advisors (UK) Limited	25-Jun-19	yes	16.42	on mkt buy	ORD	4,004	4,004
BlackRock Advisors (UK) Limited	25-Jun-19	yes	16.42	on mkt buy	ORD	436	436
BlackRock Advisors (UK) Limited	25-Jun-19	yes	16.42	on mkt buy	ORD	8,008	8,008
BlackRock Fund Advisors	25-Jun-19	no	n/a	in specie	ORD	49,392	49,392

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			Cash	Non-cash			
BlackRock Japan Co., Ltd.	25-Jun-19	no	n/a	collateral transfer	ORD	203,914	203,914
BlackRock Advisors (UK) Limited	25-Jun-19	no	n/a	collateral transfer	ORD	1,442,477	1,442,477
BlackRock International Limited	26-Jun-19	yes	16.50	on mkt buy	ORD	10,474	10,474
BLACKROCK FINANCIAL MANAGEMENT, INC.	26-Jun-19	yes	16.44	on mkt buy	ORD	5,321	5,321
BlackRock Advisors, LLC	26-Jun-19	yes	16.44	on mkt buy	ORD	25,722	25,722
BlackRock Advisors (UK) Limited	26-Jun-19	yes	16.44	on mkt buy	ORD	2,613	2,613
BlackRock Institutional Trust Company, National Association	26-Jun-19	yes	16.44	on mkt buy	ORD	5,669	5,669
BlackRock Advisors, LLC	26-Jun-19	yes	16.44	on mkt buy	ORD	7,403	7,403
BlackRock International Limited	26-Jun-19	yes	16.44	on mkt buy	ORD	3,098	3,098
BLACKROCK FINANCIAL MANAGEMENT, INC.	26-Jun-19	yes	16.44	on mkt buy	ORD	9,460	9,460
BlackRock Investment Management, LLC	26-Jun-19	yes	16.44	on mkt buy	ORD	1,854	1,854
BlackRock Investment Management (UK) Limited	26-Jun-19	yes	16.44	on mkt buy	ORD	290,864	290,864
BlackRock Advisors (UK) Limited	26-Jun-19	yes	16.44	on mkt buy	ORD	22,977	22,977
BlackRock (Netherlands) B.V.	26-Jun-19	yes	16.44	on mkt buy	ORD	909	909
BlackRock Japan Co., Ltd.	26-Jun-19	no	n/a	collateral transfer	ORD	1,811	1,811
BlackRock Investment Management, LLC	26-Jun-19	no	n/a	collateral transfer	ORD	66,242	66,242
BlackRock Investment Management (UK) Limited	26-Jun-19	no	n/a	collateral transfer	ORD	1,275,084	1,275,084
BlackRock Investment Management (UK) Limited	27-Jun-19	yes	16.49	on mkt buy	ORD	8,580	8,580
BlackRock Investment Management (Australia) Limited	27-Jun-19	yes	16.67	on mkt buy	ORD	10,426	10,426
BlackRock Institutional Trust Company, National Association	27-Jun-19	yes	16.66	on mkt buy	ORD	8,056	8,056
BlackRock Fund Advisors	27-Jun-19	no	n/a	in specie	ORD	6,083	6,083
BlackRock Advisors (UK) Limited	27-Jun-19	no	n/a	collateral transfer	ORD	1,496,152	1,496,152
BlackRock Institutional Trust Company, National Association	28-Jun-19	yes	16.46	on mkt buy	ORD	202	202
BlackRock Advisors (UK) Limited	28-Jun-19	yes	16.40	on mkt buy	ORD	191	191
BlackRock Fund Advisors	28-Jun-19	no	n/a	in specie	ORD	8,203	8,203
BlackRock Fund Advisors	28-Jun-19	no	n/a	in specie	ORD	4,693	4,693
BlackRock Japan Co., Ltd.	28-Jun-19	no	n/a	collateral transfer	ORD	100,844	100,844
BlackRock Advisors (UK) Limited	28-Jun-19	no	n/a	collateral transfer	ORD	220,395	220,395
BlackRock Japan Co., Ltd.	01-Jul-19	no	n/a	collateral transfer	ORD	164,998	164,998
BlackRock Investment Management (Australia) Limited	02-Jul-19	yes	16.57	on mkt buy	ORD	27,948	27,948
BlackRock Investment Management (UK) Limited	02-Jul-19	yes	16.57	on mkt buy	ORD	24,613	24,613
BlackRock Advisors (UK) Limited	03-Jul-19	yes	16.15	on mkt buy	ORD	1,675	1,675
BlackRock Japan Co., Ltd.	03-Jul-19	no	n/a	collateral transfer	ORD	530,644	530,644
BlackRock Investment Management (UK) Limited	03-Jul-19	no	n/a	collateral transfer	ORD	3	3
BlackRock Investment Management (Australia) Limited	04-Jul-19	yes	16.16	on mkt buy	ORD	1,420	1,420
BlackRock Investment Management (Australia) Limited	04-Jul-19	yes	16.16	on mkt buy	ORD	10,128	10,128
BlackRock Japan Co., Ltd.	04-Jul-19	no	n/a	collateral transfer	ORD	1	1
BlackRock Advisors (UK) Limited	04-Jul-19	no	n/a	collateral transfer	ORD	961,519	961,519
BlackRock Advisors (UK) Limited	05-Jul-19	yes	16.23	on mkt buy	ORD	3,099	3,099
BlackRock Advisors (UK) Limited	05-Jul-19	yes	16.23	on mkt buy	ORD	670	670
BlackRock Institutional Trust Company, National Association	05-Jul-19	yes	16.23	on mkt buy	ORD	8,004	8,004
BlackRock Fund Advisors	05-Jul-19	no	n/a	in specie	ORD	5,488	5,488
BlackRock Japan Co., Ltd.	05-Jul-19	no	n/a	collateral transfer	ORD	12,293	12,293
BlackRock Advisors (UK) Limited	05-Jul-19	no	n/a	collateral transfer	ORD	1,590,841	1,590,841
BlackRock Advisors (UK) Limited	08-Jul-19	yes	16.13	on mkt buy	ORD	3,093	3,093
BlackRock Fund Advisors	08-Jul-19	yes	16.13	on mkt buy	ORD	15,367	15,367
BlackRock Institutional Trust Company, National Association	08-Jul-19	yes	16.13	on mkt buy	ORD	9,673	9,673

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BlackRock Institutional Trust Company, National Association	08-Jul-19	yes	16.13	on mkt buy	ORD	28,568	28,568
BlackRock Fund Advisors	08-Jul-19	yes	16.13	on mkt buy	ORD	13,685	13,685
BlackRock Japan Co., Ltd.	08-Jul-19	no	n/a	collateral transfer	ORD	99,002	99,002
BlackRock Advisors (UK) Limited	08-Jul-19	no	n/a	collateral transfer	ORD	115,176	115,176
BlackRock Japan Co., Ltd.	09-Jul-19	no	n/a	collateral transfer	ORD	154,738	154,738
BlackRock Advisors (UK) Limited	09-Jul-19	no	n/a	collateral transfer	ORD	260,628	260,628
BLACKROCK FINANCIAL MANAGEMENT, INC.	10-Jul-19	yes	16.07	on mkt buy	ORD	1,662	1,662
BlackRock Investment Management (Australia) Limited	10-Jul-19	yes	15.97	on mkt buy	ORD	27,295	27,295
BLACKROCK FINANCIAL MANAGEMENT, INC.	10-Jul-19	yes	15.95	on mkt buy	ORD	4,842	4,842
BlackRock Fund Advisors	10-Jul-19	no	n/a	in specie	ORD	8,232	8,232
BlackRock Japan Co., Ltd.	10-Jul-19	no	n/a	collateral transfer	ORD	40,930	40,930
BlackRock Investment Management (Australia) Limited	11-Jul-19	yes	16.36	on mkt buy	ORD	6,642	6,642
BlackRock Advisors (UK) Limited	11-Jul-19	yes	16.48	on mkt buy	ORD	191	191
BlackRock Advisors (UK) Limited	12-Jul-19	yes	16.80	on mkt buy	ORD	1,879	1,879
BlackRock Investment Management (Australia) Limited	12-Jul-19	yes	17.14	on mkt buy	ORD	18,060	18,060
BlackRock Advisors (UK) Limited	12-Jul-19	yes	17.14	on mkt buy	ORD	3,072	3,072
BlackRock Institutional Trust Company, National Association	12-Jul-19	yes	17.14	on mkt buy	ORD	78,747	78,747
BlackRock Institutional Trust Company, National Association	15-Jul-19	yes	17.07	on mkt buy	ORD	11,306	11,306
BlackRock Asset Management Canada Limited	15-Jul-19	yes	17.08	on mkt buy	ORD	30,917	30,917
BlackRock Investment Management (UK) Limited	15-Jul-19	no	n/a	collateral transfer	ORD	291,584	291,584
BlackRock Advisors (UK) Limited	16-Jul-19	yes	16.73	on mkt buy	ORD	6,172	6,172
BlackRock Fund Advisors	16-Jul-19	no	n/a	in specie	ORD	11,191	11,191
BlackRock Advisors (UK) Limited	16-Jul-19	no	n/a	collateral transfer	ORD	3	3
BlackRock Fund Advisors	17-Jul-19	yes	16.41	on mkt buy	ORD	7,570	7,570
BlackRock Investment Management (UK) Limited	17-Jul-19	yes	16.16	on mkt buy	ORD	15,057	15,057
BlackRock Advisors (UK) Limited	17-Jul-19	yes	16.20	on mkt buy	ORD	6,112	6,112
BlackRock Asset Management Canada Limited	17-Jul-19	yes	16.20	on mkt buy	ORD	1,736	1,736
BLACKROCK FINANCIAL MANAGEMENT, INC.	17-Jul-19	yes	16.20	on mkt buy	ORD	6,996	6,996
BlackRock Advisors (UK) Limited	17-Jul-19	no	n/a	collateral transfer	ORD	1,654,180	1,654,180
BlackRock Advisors (UK) Limited	18-Jul-19	yes	15.53	on mkt buy	ORD	3,086	3,086
BlackRock Advisors (UK) Limited	18-Jul-19	yes	15.53	on mkt buy	ORD	6,172	6,172
BlackRock Institutional Trust Company, National Association	18-Jul-19	yes	15.53	on mkt buy	ORD	56,991	56,991
BlackRock Advisors (UK) Limited	19-Jul-19	yes	15.60	on mkt buy	ORD	40,209	40,209
BlackRock Fund Advisors	19-Jul-19	no	n/a	in specie	ORD	4,308	4,308
BlackRock Fund Advisors	19-Jul-19	no	n/a	in specie	ORD	18,573	18,573
BlackRock Advisors (UK) Limited	22-Jul-19	yes	15.85	on mkt buy	ORD	570	570
BlackRock Fund Advisors	22-Jul-19	no	n/a	in specie	ORD	3,585	3,585
BlackRock Investment Management (UK) Limited	22-Jul-19	no	n/a	in specie	ORD	1,046,648	1,046,648
BlackRock Fund Advisors	22-Jul-19	no	n/a	in specie	ORD	5,544	5,544
BlackRock Fund Advisors	22-Jul-19	no	n/a	in specie	ORD	2,772	2,772
BLACKROCK FINANCIAL MANAGEMENT, INC.	23-Jul-19	yes	15.97	on mkt buy	ORD	1,100	1,100
BlackRock Advisors (UK) Limited	23-Jul-19	yes	16.18	on mkt buy	ORD	562	562
BlackRock Advisors (UK) Limited	23-Jul-19	yes	16.18	on mkt buy	ORD	249	249
BlackRock Advisors (UK) Limited	23-Jul-19	yes	16.18	on mkt buy	ORD	760	760
BlackRock Japan Co., Ltd.	23-Jul-19	no	n/a	collateral transfer	ORD	284,789	284,789
BlackRock Investment Management (UK) Limited	24-Jul-19	yes	16.26	on mkt buy	ORD	49,690	49,690
BlackRock Advisors (UK) Limited	24-Jul-19	yes	16.20	on mkt buy	ORD	3,109	3,109
BlackRock Investment Management (Australia) Limited	24-Jul-19	yes	16.20	on mkt buy	ORD	10,535	10,535
BlackRock Advisors (UK) Limited	24-Jul-19	no	n/a	collateral transfer	ORD	246,402	246,402

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BlackRock Advisors (UK) Limited	25-Jul-19	yes	16.31	on mkt buy	ORD	4,023	4,023
BlackRock Fund Advisors	25-Jul-19	no	n/a	in specie	ORD	5,679	5,679
BlackRock Fund Advisors	25-Jul-19	no	n/a	in specie	ORD	24,764	24,764
BlackRock Advisors (UK) Limited	25-Jul-19	no	n/a	collateral transfer	ORD	431,230	431,230
BlackRock Advisors, LLC	26-Jul-19	yes	16.32	on mkt buy	ORD	920	920
BlackRock Advisors (UK) Limited	26-Jul-19	yes	16.27	on mkt buy	ORD	4,080	4,080
BlackRock Advisors (UK) Limited	29-Jul-19	yes	16.32	on mkt buy	ORD	3,109	3,109
BlackRock Advisors (UK) Limited	29-Jul-19	yes	16.32	on mkt buy	ORD	3,133	3,133
BlackRock Advisors (UK) Limited	29-Jul-19	yes	16.32	on mkt buy	ORD	762	762
BlackRock Advisors (UK) Limited	29-Jul-19	yes	16.32	on mkt buy	ORD	2,032	2,032
BlackRock Institutional Trust Company, National Association	30-Jul-19	no	n/a	in specie	ORD	4,718	4,718
BlackRock Advisors (UK) Limited	30-Jul-19	yes	16.17	on mkt buy	ORD	514	514
BlackRock Advisors (UK) Limited	30-Jul-19	yes	16.17	on mkt buy	ORD	670	670
BlackRock Japan Co., Ltd.	30-Jul-19	no	n/a	collateral transfer	ORD	3,038	3,038
BlackRock Investment Management (UK) Limited	30-Jul-19	no	n/a	collateral transfer	ORD	591,266	591,266
BlackRock Advisors (UK) Limited	31-Jul-19	yes	16.22	on mkt buy	ORD	3,089	3,089
BlackRock Advisors (UK) Limited	31-Jul-19	yes	16.22	on mkt buy	ORD	683	683
BlackRock Investment Management (UK) Limited	31-Jul-19	yes	16.22	on mkt buy	ORD	78,343	78,343
BlackRock Investment Management (UK) Limited	01-Aug-19	no	n/a	collateral transfer	ORD	32,578	32,578
BlackRock Institutional Trust Company, National Association	02-Aug-19	yes	15.64	on mkt buy	ORD	8,295	8,295
BlackRock Japan Co., Ltd.	02-Aug-19	no	n/a	collateral transfer	ORD	5,091	5,091
BlackRock Investment Management (UK) Limited	02-Aug-19	no	n/a	collateral transfer	ORD	102,228	102,228
BlackRock Institutional Trust Company, National Association	05-Aug-19	yes	16.03	on mkt buy	ORD	7,135	7,135
BlackRock Investment Management, LLC	05-Aug-19	no	n/a	collateral transfer	ORD	19	19
BlackRock Asset Management North Asia Limited	05-Aug-19	no	n/a	collateral transfer	ORD	2	2
BlackRock Institutional Trust Company, National Association	06-Aug-19	yes	15.54	on mkt buy	ORD	11,708	11,708
BlackRock Investment Management (Australia) Limited	06-Aug-19	yes	15.54	on mkt buy	ORD	10,535	10,535
BlackRock Advisors (UK) Limited	06-Aug-19	yes	15.54	on mkt buy	ORD	3,096	3,096
BlackRock Advisors (UK) Limited	06-Aug-19	yes	15.54	on mkt buy	ORD	704	704
BlackRock Advisors (UK) Limited	06-Aug-19	no	n/a	collateral transfer	ORD	739,459	739,459
BlackRock Institutional Trust Company, National Association	07-Aug-19	yes	15.36	on mkt buy	ORD	1,987	1,987
BlackRock Advisors (UK) Limited	07-Aug-19	yes	15.36	on mkt buy	ORD	192	192
BlackRock Investment Management, LLC	07-Aug-19	yes	15.36	on mkt buy	ORD	2,940	2,940
BlackRock Institutional Trust Company, National Association	08-Aug-19	yes	15.55	on mkt buy	ORD	627	627
BlackRock Advisors, LLC	08-Aug-19	yes	15.55	on mkt buy	ORD	6,557	6,557
BlackRock Advisors (UK) Limited	08-Aug-19	yes	15.67	on mkt buy	ORD	20,013	20,013
BlackRock Advisors (UK) Limited	08-Aug-19	no	n/a	collateral transfer	ORD	1,614,157	1,614,157
BlackRock Asset Management Canada Limited	09-Aug-19	yes	15.76	on mkt buy	ORD	7,045	7,045
BlackRock Investment Management (Australia) Limited	09-Aug-19	yes	15.80	on mkt buy	ORD	12,040	12,040
BlackRock Advisors (UK) Limited	09-Aug-19	yes	15.80	on mkt buy	ORD	8,716	8,716
BlackRock Investment Management (Australia) Limited	09-Aug-19	yes	15.80	on mkt buy	ORD	19,679	19,679
BlackRock Investment Management (Australia) Limited	09-Aug-19	yes	15.80	on mkt buy	ORD	20,072	20,072
BlackRock Fund Advisors	09-Aug-19	no	n/a	in specie	ORD	768	768
BlackRock Investment Management (UK) Limited	12-Aug-19	yes	15.87	on mkt buy	ORD	8,700	8,700
BlackRock Advisors (UK) Limited	12-Aug-19	yes	15.77	on mkt buy	ORD	13,056	13,056
BlackRock Fund Advisors	13-Aug-19	yes	15.68	on mkt buy	ORD	806	806
BlackRock Investment Management (UK) Limited	13-Aug-19	yes	15.80	on mkt buy	ORD	31,350	31,350
BlackRock Advisors (UK) Limited	13-Aug-19	yes	15.64	on mkt buy	ORD	3,096	3,096
BlackRock Advisors (UK) Limited	13-Aug-19	yes	15.64	on mkt buy	ORD	9,288	9,288
BlackRock Fund Advisors	13-Aug-19	no	n/a	in specie	ORD	384	384
BlackRock Japan Co., Ltd.	13-Aug-19	no	n/a	collateral transfer	ORD	279,359	279,359

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BlackRock Advisors (UK) Limited	13-Aug-19	no	n/a	collateral transfer	ORD	373,941	373,941
BlackRock Investment Management (UK) Limited	14-Aug-19	yes	15.74	on mkt buy	ORD	554	554
BlackRock Investment Management, LLC	14-Aug-19	yes	15.73	on mkt buy	ORD	6,867	6,867
BlackRock Investment Management (Australia) Limited	14-Aug-19	yes	15.77	on mkt buy	ORD	9,502	9,502
BlackRock Investment Management (UK) Limited	14-Aug-19	yes	15.73	on mkt buy	ORD	7,223	7,223
BlackRock Investment Management (UK) Limited	14-Aug-19	no	n/a	in specie	ORD	2,778	2,778
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Aug-19	yes	15.22	on mkt buy	ORD	500	500
BlackRock Investment Management (Australia) Limited	15-Aug-19	yes	14.73	on mkt buy	ORD	16,189	16,189
BlackRock Fund Advisors	15-Aug-19	no	n/a	in specie	ORD	7,500	7,500
BlackRock Fund Advisors	16-Aug-19	no	n/a	in specie	ORD	3,837	3,837
BlackRock Investment Management (UK) Limited	19-Aug-19	yes	14.50	on mkt buy	ORD	13,470	13,470
BlackRock Advisors, LLC	19-Aug-19	yes	14.57	on mkt buy	ORD	85,420	85,420
BlackRock Advisors, LLC	19-Aug-19	yes	14.57	on mkt buy	ORD	18,470	18,470
BlackRock Advisors, LLC	19-Aug-19	yes	14.57	on mkt buy	ORD	7,600	7,600
BlackRock Advisors, LLC	19-Aug-19	yes	14.57	on mkt buy	ORD	19,531	19,531
BLACKROCK FINANCIAL MANAGEMENT, INC.	19-Aug-19	yes	14.57	on mkt buy	ORD	4,055	4,055
BlackRock Investment Management (UK) Limited	19-Aug-19	yes	14.57	on mkt buy	ORD	286,210	286,210
BlackRock Advisors, LLC	19-Aug-19	yes	14.46	on mkt buy	ORD	12,500	12,500
BlackRock Advisors, LLC	19-Aug-19	yes	14.44	on mkt buy	ORD	1,500	1,500
BlackRock Institutional Trust Company, National Association	19-Aug-19	yes	14.60	on mkt buy	ORD	37,847	37,847
BlackRock Institutional Trust Company, National Association	19-Aug-19	yes	14.60	on mkt buy	ORD	103,985	103,985
BlackRock Japan Co., Ltd.	19-Aug-19	no	n/a	collateral transfer	ORD	1,839,122	1,839,122
BlackRock Advisors (UK) Limited	19-Aug-19	no	n/a	collateral transfer	ORD	508,996	508,996